Water Quality Data

Unless noted, the data presented in this table is from testing done January 1 - December 31, 2007. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significanlty from year to year. Some of the data, though representive of the water quality, is more than one year old.

The bottom line is the water that is provided to you is safe.

Terms & Abbreviations:

Maximum Contaminant Level Goal (MCLG): the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level (MCL): the highest level of contaminant that is allowed in drinking water. MCLs are set close the the MCLGs allow for a margin of safety.

Action Level (AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.

N/A: not applicable **ND:** non detect at testing **ppb:** parts per billion or micrograms per liter **ppm** parts per million or milligrams per liter **.pCi/l:** picocuries per liter (a measure of radiation).

Testing Results for City of Emporia

REGULATED CONTAIMINANTS	COLL DATE	RESULT	UNIT	MCL	MCLG	VIO	TYPICAL SOURCE
Barium	04/10	.019	ppm	2	2	N	Erosion of natural deposits
Fluoride	10/24	1.2	ppm	4	4	N	Additive which promotes strong teeth
Selenium	04/10	<1	ppb	50	50	N	Erosion of natural deposits
Nitrate	02/26	.36	ppm	10	10	N	Erosion of natural deposits
Atrazine	05/08	.91	ppb	3	3	N	Runoff of herbicide from row crops
T. Trihalomethanes	2007	0	ppb	80	N/A	N	By-product of drinking water chlorination
Haloacetic Acids	2007	4.0	ppb	60	N/A	N	By-products of drinking water disinfection

90th PERCENTILE	DATE				Sites over AL	Vio	TYPICAL SOURCE
Lead	2005/07	4.3	ppb	AL=15	0	N	Corrosion of household plumbing system
Copper	2005/07	0.027	ppm	AL=1.3	0	N	Corrosion of household plumbing system

SECONDARY CONTAIM.	DATE	RESULT	UNIT			Vio	TYPICAL SOURCE
Aluminum	04/10	130	ppb	300		N	Erosion of natural deposits
Calcium		20	ppm	75-200		N	Erosion of natural deposits
Magnesium		2.2	ppm	50-150		N	Erosion of natural deposits
Sodium		9.1	ppm	100		N	Erosion of natural deposits
Potassium		4.8	ppm	100		N	Erosion of natural deposits
Chloride		4.8	ppm	250		N	Erosion of natural deposits
Sulfate		22	ppm	250		N	Erosion of natural deposits
Total Hardness		59	ppm	400		N	Erosion of natural deposits
Alkalinity as CAC03		85.4	ppm	60-300		N	Erosion of natural deposits
pH		8.4	pH units	6.5-8.5		N	Erosion of natural deposits
Specific Conductivity		190	umho/l	1500		N	Erosion of natural deposits
Tot. Dissolved Solids		100	ppm	500		N	Erosion of natural deposits
Silica		5.6	ppm	50		N	Erosion of natural deposits
Corrosivity		-.24	LI	0-+1.0		N	Erosion of natural deposits